e. said indicator and said stroboscopic means being relatively positioned such that when said stroboscopic means is activated by said imbalance means and illuminates said indicator each revolution of said motor and optical deflection means holder, said motor and optical deflection means are rotating in phase and in synchronism and the beam is aimed to follow the movement of the equivalent area of imbalance.

20. The apparatus of claim **19** including:

a. a partially transparent and partially reflective means disposed in the beam path between said source of said deflection means,

b. said holder being apertured for viewing therethrough,

c. said partially transparent and partially reflective means being positioned to reflect an image of the area of imbalance through said aperture and to pass a laser beam therethrough from said source to said deflecting means.

21. Apparatus to physically change the structure of a body to adapt the body to move accurately in a predetermined desired operating pattern comprising:

a. means capable when said structure of said body is appropriately changed to move the body in said desired operating pattern,

b. means to transmit a beam of energy which is capable of deforming said body in a path,

c. means to change the direction of said beam path to approximately follow an area of said moving body for a duration of impingement of said beam to deform said body to said physical change.

22. The apparatus of claim **21** wherein said means to change said beam path further includes:

a. means to change said beam path such that a trace of said path at least periodically impinges upon said area, and

b. means to adjust the relative moving of said body in said operative pattern and the changing of the direction of said beam path to moving of the body and following of the path in phase and in synchronism.

23. The apparatus of claim **22** including:

a. transducer means to sense the need for additional change in said structure to enable said body to move in said desired pattern, and

b. means responsive to said transducer means to provide indication of adjustment to said in phase and in synchronism relationship of the said beam path direction changing and said body moving.

24. A method of providing a predetermined physical characteristic to a body comprising:

a. moving the body in a desired movement pattern,

b. transmitting a beam of energy capable of effecting body deformation,

c. moving the path of said beam synchronously with said body moving to enable impingement of the beam while transmitting and synchronously moving upon approximately a predetermined area of said body to be deformed,

d. sensing lack of said predetermined physical characteristic periodically while in said moving pattern,

e. at least periodically actuating said transmitting of said beam of energy until body deformation occurs to substantial attainment of said predetermined characteristic at said predetermined area.

25. A method of dynamically balancing a rotary body comprising the steps of:

a. rotating the body,

b. locating an equivalent point of imbalance on the surface of said body,

c. transmitting a beam of energy capable of removing material from said body,

d. moving the direction of said beam in synchronism with said body rotating so as to effect impingement of said energy beam at successive loci of the appropriate area of said imbalance point while said equivalent imbalance point remains.

26. The method of claim **25** including the steps of:

a. sensing the equivalent point of imbalance at successively occurring intervals,

b. continuing to direct the said path of impingement upon said approximate area while indication of imbalance at said equivalent point of imbalance continues.

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